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Notice of Allowability	Application No.	Applicant(s)	
	10/753,849	FISCHER ET AL.	
	Examiner	Art Unit	
	Tan Ho	2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. ☐ This communication is responsive to ____.
- 2. ☒ The allowed claim(s) is/are 1-26.
- 3. ☒ The drawings filed on 07 January 2004 are accepted by the Examiner.
- 4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 - 1. ☒ Certified copies of the priority documents have been received.
 - 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 - 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- 7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>11/12/2004 (2 pages)</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |


TAN HO
PRIMARY EXAMINER

DETAILED ACTION

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

Claim 1 recites a circuit arrangement for deriving electrical power from high frequency electromagnetic field comprising an antenna adapted to receive the electromagnetic field and having two antenna connection terminals, a detuning connected between the two antenna connection terminals, a detuning unit that is connected between two antenna connection terminals and is adapted to limit an electrical power absorbed by the antenna from electromagnetic field, wherein the detuning circuit comprises at least one circuit component having a variable impedance characteristic of an impedance that is adapted to vary dependent on and responsive to a field strength of the electromagnetic field prevailing at the antenna.

Claims 17 recites a receiving/backscattering device adapted to receive, modulate and backscatter an electromagnetic field comprising an antenna adapted to receive the electromagnetic field and having two antenna connection terminals, a modulator connected to the two antenna connection terminals, a rectifier having an input side connected to two antenna connection terminals and an output side adapted to provide rectified power for operating the device, a variable impedance arrangement that is connected between the two antenna connection terminals, and that exhibits a variable impedance adapted to vary dependent on a field strength of the electromagnetic field thereby varying a degree of power coupling from the electromagnetic field through the antenna to the input side of the rectifier.

Claim 22 recites a method of deriving electrical power from an electromagnetic field for operating a receiving/backscattering device including an antenna comprising the steps of receiving the electromagnetic field from the antenna and coupling electrical power from the electromagnetic field into the device; rectifying the electrical power to provide rectified electrical power for consumption in the device; and varying an input impedance of the device by varying predominantly an imaginary part of the input impedance so as to vary an amount of the electrical power coupled into the device dependent on and responsive to a field strength of the electromagnetic field.

None of the prior arts shows or suggests the circuit arrangement, the receiving/backscattering device, and method of deriving electrical power from the electromagnetic field above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan Ho whose telephone number is (571) 272-1822. The examiner can normally be reached on M-F (8:00AM - 5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2821

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



TAN HO
PRIMARY EXAMINER